



National Weather Service

Storm Data and Unusual Weather Phenomena



July 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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CALIFORNIA, Upper

CAZ011>012	Siskiyou County - Modoc County Except Surprise Valley						
	03	1400PST		0	0		Extreme Cold
	04	0800PST					
	See below.						
	A Frost Warning was issued for Eastern Siskiyou and Modoc counties. Although no frost was reported, numerous low temperature readings in the 30s indicate that frost probably did develop. Frost was probable over western Siskiyou county as well, although no warning was issued for this area.						
CAZ011>012	Siskiyou County - Modoc County Except Surprise Valley						
	03	1400PST		0	0		Extreme Cold
	04	0800PST					
	See below.						
	A Frost Warning was issued for Modoc county and eastern Siskiyou county. Reported low temperatures were mostly in the 30s, so frost probably did occur, although it was not reported. Additionally, lows in the 30s were reported from western Siskiyou county, but no warning was issued for that area.						
CAZ011>012	Siskiyou County - Modoc County Except Surprise Valley						
	04	1400PST		0	0		Extreme Cold
	05	0800PST					
	See below.						
	A Frost Warning was issued for Modoc and eastern Siskiyou counties. Although no frost was reported, numerous low temperature readings in the 30s indicate that frost probably did develop.						
CAZ011>012	Siskiyou County - Modoc County Except Surprise Valley						
	04	1400PST		0	0		Extreme Cold
	05	0800PST					
	See below.						
	A Frost Warning was issued this night for Modoc and eastern Siskiyou counties. No frost was reported, but low temperatures in the area were in the middle to upper 30s, so frost probably did develop this night.						
Modoc County							
Alturas Muni Arpt	13	2012PST		0	0		Thunderstorm Wind (G69)
	See below.						
Modoc County							
Alturas	13	2100PST		0	0		Thunderstorm Wind (G60)
	See below.						
Modoc County							
Alturas Muni Arpt	13	2120PST		0	0	16K	Thunderstorm Wind (G60)
	See below.						
	The Klamath Falls Herald and News reported that strong winds struck Alturas around 2100 LDT on 07/13/99. The winds, probably caused by a microburst associated with a thunderstorm, damaged the roofs of the Alturas Middle School and the Alturas Municipal swimming pool. Numerous downed trees and power lines were also reported.						
	Additionally, the HNX WCM reported damage that he observed when visiting Alturas. He reported that roof damage to a shed at the airport. The debris from the roof damaged a cyclone fence, and he estimated that the damaging winds were from the northwest at greater than 60 mph. This same gust broke three 4"x4" posts that were supporting a balcony at a residence 5 miles northwest of the airport.						
	The Alturas ASOS reported a peak wind of 69 mph from 300 degrees at 2112 LDT. The two-minute average winds was 51 mph from 300 degrees.						
CAZ011	Siskiyou County						
	16	0350PST		0	0		Extreme Cold
		0939PST					
	See below.						
	A short-lived Frost Warning was issued for Eastern Siskiyou county in the morning, but it was cancelled before the event transpired. Observed low temperatures were mostly in the 40s, so little frost probably occurred.						

OREGON, Southwest

ORZ015	South Central Oregon								
	03	1400PST			0	0			Extreme Cold
	04	0800PST							



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OREGON, Southwest

See below.

A Frost Warning was issued for the above stations. Although no frost was reported, numerous low temperature readings in the 30s indicate that frost probably did develop.

ORZ015

South Central Oregon

03 1400PST
04 0800PST

0

0

Extreme Cold

See below.

A Frost Warning was issued for this zone. Reported low temperatures were mostly in the 30s, so frost probably did occur this night...though none was reported.

ORZ015

South Central Oregon

04 1400PST
05 0800PST

0

0

Extreme Cold

See below.

A Frost Warning was issued for the above counties. Although no frost was reported, numerous low temperature readings in the 30s indicate that frost probably did develop.

ORZ015

South Central Oregon

04 1400PST
05 0800PST

0

0

Extreme Cold

See below.

A Frost Warning was issued for this area. Reported low temperatures were warmer than the previous night...but Sprague River still reported a low of 27 degrees. Some frost probably did occur this night, but it probably wasn't as widespread as the previous night.

Klamath County

Klamath Falls

14 0700PST
2250PST

0

0

Wild/Forest Fire

See below.

Lake County

Lakeview

14 0700PST
2250PST

0

0

Wild/Forest Fire

See below

A Red Flag Warning was issued for fire zones 624/625, which encompasses most of these counties. The warning was due to a combination of gusty winds, low humidities, a moderate risk Haines Index, and dry fuels.

ORZ015

South Central Oregon

15 1455PST
16 0800PST

0

0

Extreme Cold

See below

A Frost Warning was issued this night. Several stations reported low temperatures in the lower to middle 30s. Frost likely occurred, but none was reported.

ORZ015

South Central Oregon

16 0350PST
0939PST

0

0

Extreme Cold

See below.

A short-lived Frost Warning was issued for this area, but was cancelled 6 hours later before the event transpired. Reported low temperatures were mostly warmer than the previous night, but some cold spots got down to the middle 30s. Some frost probably occurred this night, though not as widespread as the previous night. No frost reports were received.

Douglas County

Diamond Lake

19 1647PST

0

0

Tstm Wind/Hail

Spotter DO27 reported dime size hail, heavy rain, and distant thunder.

Douglas County

Diamond Lake

19 1839PST

0

0

Tstm Wind/Hail

Spotter DO27 reported 1 inch hail at 1805 LDT. Estimated 1.00 inches rain fell since 1640 LDT.

Douglas County

Diamond Lake

19 1910PST

0

0

Flash Flood

WSR-88D estimated a storm total precipitation maximum of 4.1 inches over Mt. Bailey...5 NM west of Diamond Lake.

Based on spotter reports and radar data, a Severe Thunderstorm Warning for extreme eastern Douglas County was issued at 1630 LDT. This warning expired at 1720 LDT, but was extended at 1735 LDT. The extension expired at 1859 LDT. The warning was verified by spotter reports of hail up to an inch in diameter.

WSR-88D data and spotter reports indicated that heavy rain was occurring with this storm, and the storm was moving slowly.



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OREGON, Southwest

Thus, a Flash Flood Warning was issued for this storm at 1847 LDT, and it expired at 2100 LDT.

Jackson County Wimer

20	1000PST 2110PST			0	0				Wild/Forest Fire
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The Medford Mail Tribune reported at least five dry lightning ignited fires in Jackson County. A Red Flag Warning for dry lightning was issued for most of southwest and southcentral Oregon at 1000 LDT on 07/20/99. The coast and the Cascade/Siskiyou mountains were excluded. This warning verified with at least 5 dry-lightning ignited fires reported in Jackson County alone. The warning was cancelled at 2110 LDT.

Curry County Gold Beach

20	1437PST			0	0				Tstm Wind/Hail
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Spotter CU09 7 miles up the Rogue River reported a thunderstorm with heavy rain and dime-size hail. Based on the above spotter report, a Severe Thunderstorm Warning was issued at 1432 LDT and expired at 1458 LDT.

Douglas County Toketee Falls

20	1506PST			0	0				Tstm Wind/Hail
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See below.
Based on WSR-88D data, a Severe Thunderstorm Warning was issued for this storm at 1506 LDT. A similar radar return earlier in the day was associated with large hail (verified by a spotter), so it was deemed that large hail was likely with this storm as well. The warning expired at 1532 LDT, but a second storm developed nearby soon thereafter. A second Severe Thunderstorm Warning was issued for this storm at 1611 LDT and it expired at 1709 LDT.

Jackson County Union Creek

20	1643PST			0	0				Tstm Wind/Hail
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See below.

Jackson County Union Creek

20	1643PST			0	0				Tstm Wind/Hail
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See below.
Based on WSR-88D returns, a Severe Thunderstorm Warning was issued for this storm at 1643 LDT. The radar return was similar to a storm earlier in the afternoon that contained large hail (verified by a spotter). The warning expired at 1744 LDT. The Medford Mail-Tribune newspaper reported the next day that "Hailstones the size of cherries were reported falling between Union Creek and Crater Lake".

Jackson County Mc Leod

20	1759PST			0	0				Tstm Wind/Hail
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See below.
WSR-88D data indicated that this storm was similar to others earlier in the day, at least two of which produced large hail. A Severe Thunderstorm Warning was issued for this storm at 1759 LDT and expired at 1858 LDT.

Douglas County Diamond Lake

23	1654PST			0	0				Tstm Wind/Hail
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A spotter reported nickel size hail (0.88 inches) and 1.00 inches of rain in 15 minutes. Based on the above spotter report, a Severe Thunderstorm Warning was issued for the Diamond Lake area and nearby State Highway 138. The warning was issued at 1654 LDT and expired at 1743 LDT.